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- On the Ohio River in Southeastern Indiana, Glen Culbertson.
- On East and West Forks of White River, H. P. Bybee.
- "The Selective Action of Gentian Violet in the Bacteriological Analysis," C. M. Hilliard.
- "The Vertical Distribution of Plankton in Winona Lake," Glenwood Henry.
- "A Test of Indiana Varieties of Wheat Seed for Internal Fungous Infection," George N. Hoffer.
- "A Simple Apparatus for the Study of Phototropic Responses in Seedlings," George N. Hoffer.
- "Mosses of Monroe County, Indiana, II.," Mildred Nothnagel.
- "Observations on the Aquatic Plant Life in White River Following the Spring Flood of 1913," Paul Weatherwax.
- "The Occurrence of *Aphanomyces phycophytes* upon the Campus of Indiana University," Paul Weatherwax.
- "Food and Feeding Habits of *Unio*," William Ray Allen.
- "Oral Respiration in *Amphiuma* and *Cryptobranchius*," H. L. Bruner.
- "Respiration and Smell in Amphibians," H. L. Bruner.
- "General Outline of Trip of 1913 for the Purpose of Collecting the Fish Fauna of Colombia, S. A.," Charles E. Wilson.
- "A Topographic Map of the Terre Haute Area," Charles R. Dryer.
- "Center of Area and Center of Population of Indiana," W. A. Cogshall.
- "On the Shrinkage of Photographic Paper," R. R. Ramsey.
- "A Preliminary Account of an Elaborate Study of the Disintegration of Matter," A. L. Foley.
- "Boiling and Condensing Points of Alcohol-water Mixtures," P. N. Evans.
- "Race Suicide," Robert Hessler.
- "A Psychologist's Investigation in the Field of Crime among Adolescents," R. B. von Klein Smid.
- "Agricultural Work in Southern Indiana," C. G. Phillips.
- "The Germination of *Arisæma dracontinus*," Lantern. F. L. Pickett.
- "The Prothallium of *Camptosorus rhizophyllus*," Lantern. F. L. Pickett.
- "Irish Potato Scab as Affected by Fertilizers Containing Sulphates and Chlorides," Lantern. S. D. Conner.
- "Newly Discovered Phenomena Connected with the Electric Discharge in Air," Lantern. A. L. Foley.
- "The Relation of the Country Life Movement to Conservation," Mrs. Virginia C. Meredith.
- "The Conservation of Indiana Soils and Crops," Mr. D. F. Maish.
- "The Present Status of Agricultural Education in Indiana," Professor George I. Christie.
- "A Sanitary Survey of Indiana Rivers," Dr. Jay Craven.
- "The Relation of the Lakes of Northern Indiana to Problems of Flood Control," Dr. Will Scott.
- "Municipal Forestry in Indiana," Hon. Charles Warren Fairbanks.
- "First Steps in Indiana Forestry," Professor Stanley Coulter.
- "Taxation of Forest Lands," Professor H. W. Anderson.
- "Forests and Floods," Professor F. M. Andrews.
- "Prevention of Infant Mortality as a Factor in Conservation," Dr. J. N. Hurty.
- "The Analysis of an Occupation," Professor M. E. Haggerty.
- "School Hygiene as a Factor in the Conservation of Human Life," Dr. O. B. Nesbit.
- "County Tuberculosis Hospitals as a Factor in the Conservation of Human Life," Dr. James Y. Welborn.
- "Playgrounds and Recreation Centers as Factors in the Conservation of Human Life," Dr. W. A. Gekler.
- "Public Toilet Facilities, Drinking Fountains and Public Spitting in Relation to the Conservation of Human Life," Professor C. M. Hilliard.
- "Possible Dangers from Drilling for Oil and Gas in Coal Measures," Professor Edward Barrett.
- "Power Economy and the Utilization of Waste in the Quarry Industry," Mr. G. C. Mance.

A. J. BIGNEY,
Secretary

THE CONVOCATION WEEK MEETING OF SCIENTIFIC SOCIETIES

THE American Association for the Advancement of Science and the national scientific societies named below will meet at Atlanta, Ga., during convocation week, beginning on December 29, 1913.

American Association for the Advancement of Science.—President, Professor Edmund B. Wilson,

Columbia University; retiring president, Professor Edward C. Pickering, Harvard College Observatory; permanent secretary, Dr. L. O. Howard, Smithsonian Institution, Washington, D. C.; general secretary, Professor Harry W. Springsteen, Western Reserve University, Cleveland, Ohio; secretary of the council, Professor William A. Worsham, Jr., State College of Agriculture, Athens, Ga.

Section A—Mathematics and Astronomy.—Vice-president, Dr. Frank Schlesinger, Allegheny Observatory; secretary, Professor Forest R. Moulton, University of Chicago, Chicago, Ill.

Section B—Physics.—Vice-president, Professor Alfred D. Cole, Ohio State University; secretary, Dr. W. J. Humphreys, Mount Weather, Va.

Section C—Chemistry.—Vice-president, Dr. Carl L. Alsberg, Bureau of Chemistry; secretary, Dr. John Johnston, Geophysical Laboratory, Washington, D. C.

Section D—Mechanical Science and Engineering.—Vice-president, Dr. O. P. Hood, U. S. Bureau of Mines; secretary, Professor Arthur H. Blanchard, Columbia University, New York City.

Section E—Geology and Geography.—Vice-president, J. S. Diller, U. S. Geological Survey; secretary, Professor George F. Kay, University of Iowa.

Section F—Zoology.—Vice-president, Dr. Alfred G. Mayer, Carnegie Institution of Washington; secretary, Professor Herbert V. Neal, Tufts College, Mass.

Section G—Botany.—Vice-president, Professor Henry C. Cowles, University of Chicago; secretary, Professor W. J. V. Osterhout, Harvard University, Cambridge, Mass.

Section H—Anthropology and Psychology.—Vice-president, Professor Walter B. Pillsbury, University of Michigan; acting secretary, Dr. E. K. Strong, Jr., Columbia University, New York City.

Section I—Social and Economic Science.—Vice-president, Judson G. Wall, Tax Commissioner, New York City; secretary, Seymour C. Loomis, 69 Church St., New Haven, Conn.

Section K—Physiology and Experimental Medicine.—Vice-president, Professor Theodore Hough, University of Virginia; secretary, Dr. Donald R. Hooker, Johns Hopkins Medical School, Baltimore, Md.

Section L—Education.—Vice-president, Dr. Philander P. Claxton, Commission of Education, Wash-

ington, D. C.; secretary, Dr. Stuart A. Courtis, Liggett School, Detroit, Mich.

The Astronomical and Astrophysical Society of America.—December 29–January 3. President, Professor E. C. Pickering, Harvard College Observatory; secretary, Professor Philip Fox, Dearborn Observatory, Evanston, Ill.

The American Physical Society.—December 29–January 3. President, Professor B. O. Peirce, Harvard University; secretary, Professor A. D. Cole, Ohio State University, Columbus, Ohio.

The American Federation of Teachers of the Mathematical and the Natural Sciences.—Between December 30. President, Professor C. R. Mann, University of Chicago; secretary, Dr. Wm. A. Hedrick, Washington, D. C.

The Entomological Society of America.—December 30–31. President, Dr. C. J. S. Bethune, Ontario Agricultural College; secretary, Professor Alexander D. MacGillivray, 603 West Michigan Ave., Urbana, Ill.

The American Association of Economic Entomologists.—December 31–January 2. President, Professor P. J. Parrott, Geneva, N. Y.; secretary, A. F. Burgess, Melrose Highlands, Mass.

The Botanical Society of America.—December 30–January 2. President, Professor D. H. Campbell, Stanford University; secretary, Dr. George T. Moore, Botanical Garden, St. Louis, Mo.

The American Phytopathological Society.—December 30–January 2. President, F. C. Stewart, Agricultural Experiment Station, Geneva, N. Y.; secretary, Dr. C. L. Shear, Department of Agriculture, Washington, D. C.

The American Microscopical Society.—December 30. Secretary, T. W. Galloway, James Millikin University, Decatur, Ill.

American Association of Official Horticultural Inspectors.—December 29. President, E. L. Worsham, Atlanta, Ga.; secretary, J. G. Saunders, Madison, Wis.

The Southern Society for Philosophy and Psychology.—December 31–January 1. President, Professor H. J. Pearce, Gainesville, Ga.; secretary, Professor W. C. Ruediger, George Washington University, Washington, D. C.

The Sigma Xi Convention.—December 30. President, Professor J. McKeen Cattell, Columbia University; recording secretary, Professor Dayton C.

Miller, Case School of Applied Science, Cleveland, Ohio.

Gamma Alpha Graduate Scientific Fraternity.—December 30. President, Professor J. I. Tracey, Yale University; secretary, Professor H. E. Howe, Randolph-Macon College, Ashland, Va.

PHILADELPHIA

The American Society of Naturalists.—December 31. President, Professor Ross G. Harrison, Yale University; secretary, Dr. Bradley M. Davis, University of Pennsylvania, Philadelphia, Pa.

The American Society of Zoologists.—December 30–January 1. *Eastern Branch*: President, Dr. A. G. Mayer, Tortugas, Fla.; secretary, Professor J. H. Gerould, Dartmouth College. *Central Branch* December 29–January 1: president, Professor H. B. Ward, University of Nebraska; secretary, Professor W. C. Curtis, University of Missouri, Columbia, Mo.

The American Physiological Society.—December 29–31. President, Dr. S. J. Meltzer, Rockefeller Institute for Medical Research, New York City; secretary, Professor A. J. Carlson, University of Chicago, Chicago, Ill.

The Association of American Anatomists.—December 29–31. President, Professor Ross G. Harrison, Yale University; secretary, Professor G. Carl Huber, 1330 Hill Street, Ann Arbor, Mich.

The American Society of Biological Chemists.—December 29–31. President, Professor A. B. Macallum, University of Toronto; secretary, Professor Philip A. Shaffer, 1806 Locust St., St. Louis, Mo.

The Society for Pharmacology and Experimental Therapeutics.—December 30–31. President, Dr. Torald Sollmann, Western Reserve University Medical School, Cleveland, Ohio; secretary, Dr. John Auer, Rockefeller Institute for Medical Research, New York City.

NEW YORK CITY

The American Mathematical Society.—December 30–31. President, Professor E. B. Van Vleck, University of Wisconsin; secretary, Professor F. N. Cole, 501 West 116th Street, New York City. Chicago, December 26, 27, secretary of Chicago meeting, Professor H. E. Slaughter, University of Chicago, Chicago, Ill.

The American Anthropological Association.—December 29–31. President, Professor Roland B. Dixon, Harvard University; secretary, Professor

George Grant MacCurdy, Yale University, New Haven, Conn.

The American Folk-Lore Society.—December 31. President, John A. Lomax, University of Texas; secretary, Dr. Charles Peabody, 197 Brattle St., Cambridge, Mass.

PRINCETON

The Geological Society of America.—December 30–January 1. President, Professor Eugene A. Smith, University of Alabama; secretary, Dr. Edmund Otis Hovey, American Museum of Natural History, New York City.

The Association of American Geographers.—Probably meets at Princeton but official information has not been received.

The Paleontological Society.—December 31–January 1. President, Dr. Charles D. Walcott, Smithsonian Institution; secretary, Dr. R. S. Bassler, U. S. National Museum, Washington, D. C.

NEW HAVEN

The American Psychological Association.—December 30–January 1. President, Professor Howard C. Warren, Princeton University; secretary, W. Van Dyke Bingham, Dartmouth College, Hanover, N. H.

The American Philosophical Association.—December 29–31. President, Professor E. B. McGilvary, University of Wisconsin; secretary, Professor E. G. Spaulding, Princeton, N. J.

MINNEAPOLIS

The American Economic Association.—December 27–30. President, Professor David Kinley, University of Illinois; secretary, Professor T. N. Carver, Harvard University, Cambridge, Mass.

The American Sociological Society.—December 27–30. President, Professor Albion W. Small, University of Chicago; secretary, Scott E. W. Bedford, University of Chicago, Chicago, Ill.

WASHINGTON, D. C.

The American Association for Labor Legislation.—December 30–31. President, Professor W. W. Willoughby, Princeton University; secretary, Dr. John B. Andrews, 131 East 23d St., New York City.

MONTREAL

The Society of American Bacteriologists.—December 31–January 2. President, Professor C. E. A. Winslow, College of the City of New York; secretary, Dr. A. Parker Hitchens, Glenolden, Pa.